

Acton Center Traffic Study

Route 27 (Main Street), Newtown Road, Concord Road,
Woodbury Road

Second Public Forum

June 1, 2015



Howard/Stein-Hudson Associates, Inc.
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HALVORSON DESIGN
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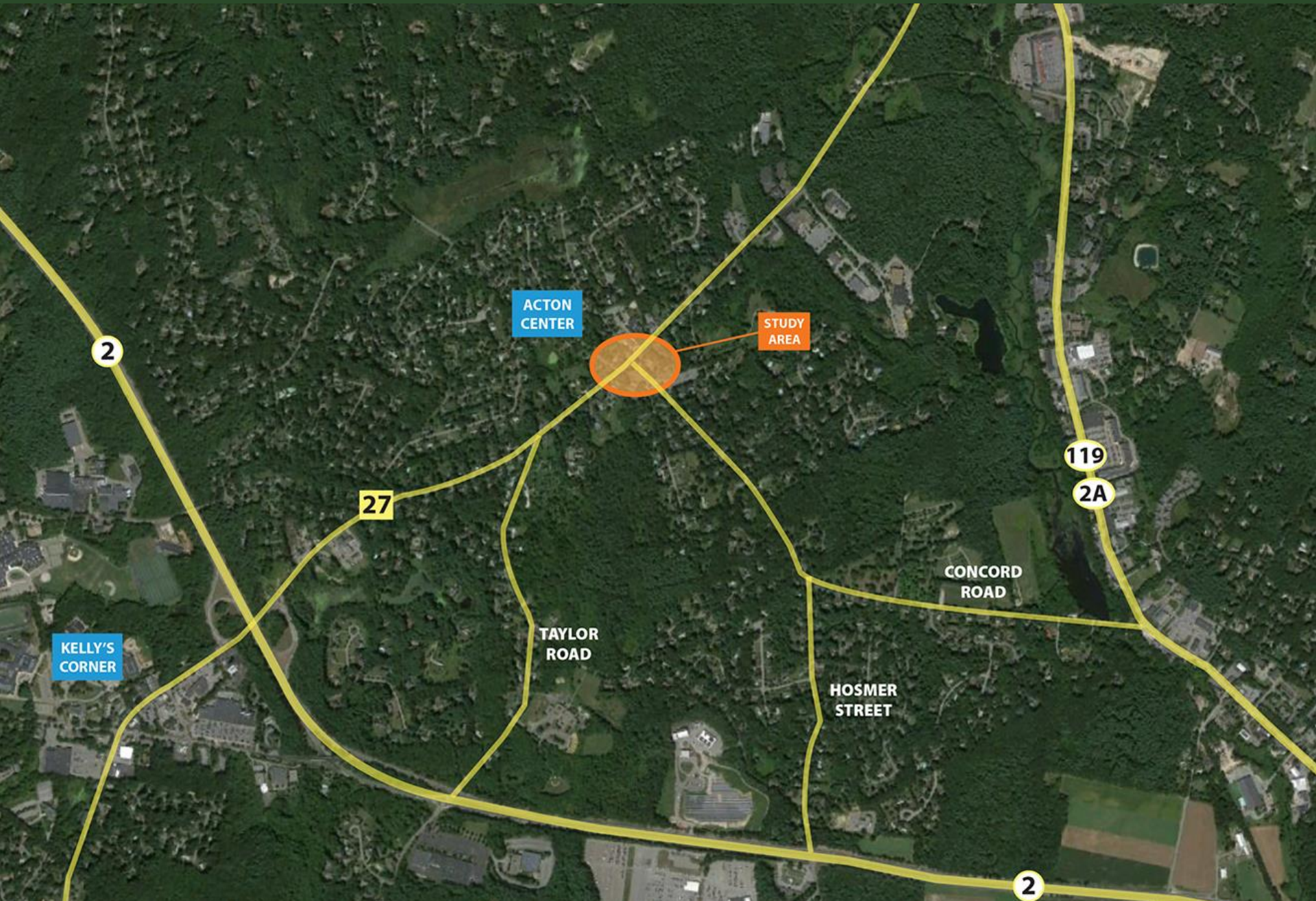


Agenda

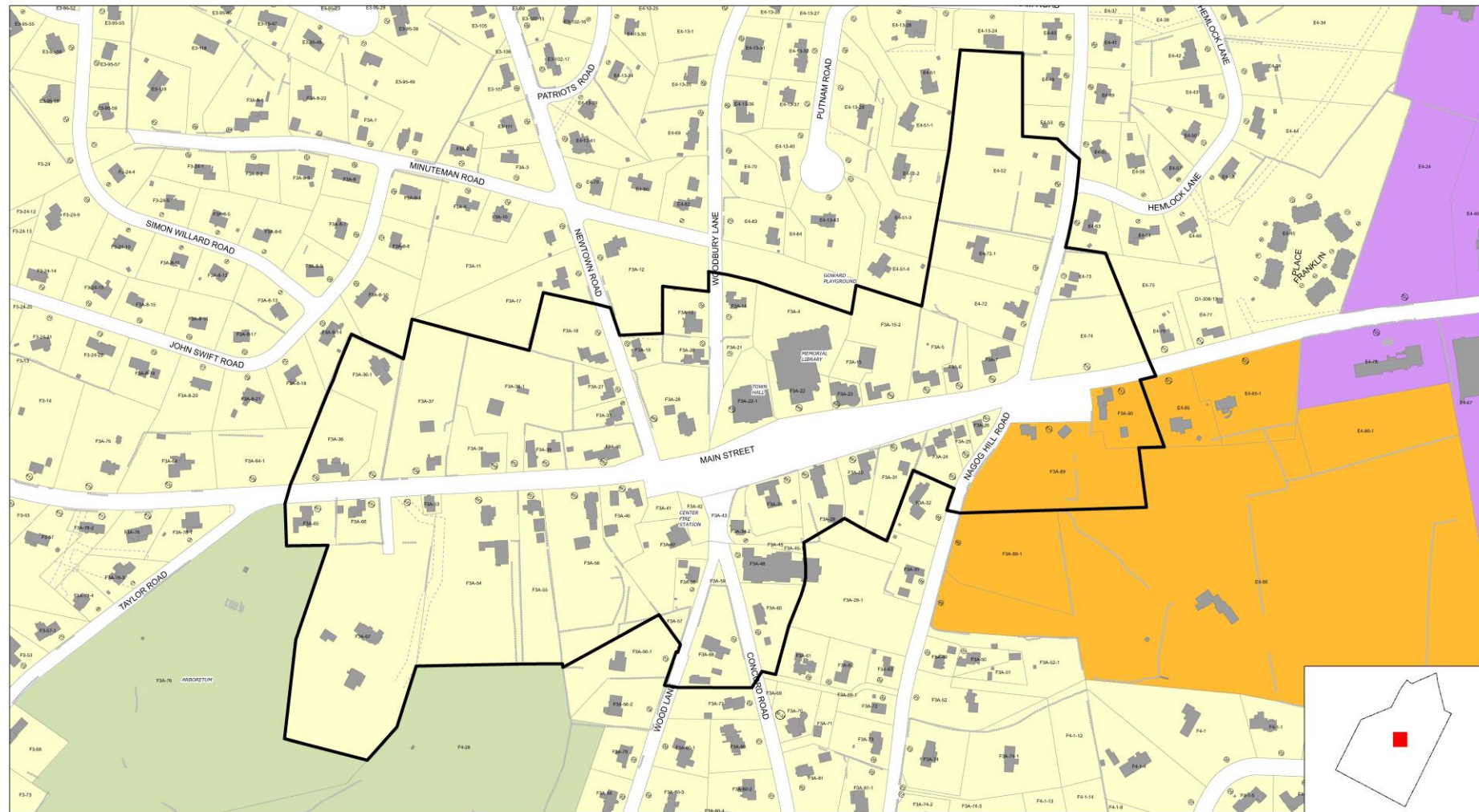
- Introduction
- Study Area
- Project Overview
- Preliminary Observations and Traffic Data
- Design Options
- Plan Review
- Discussion



Context Map



Acton Center Historic District



Acton Centre Local Historic District

Parcel Boundaries

Easements/Private Ways

Stone Walls

Buildings

Zoning Districts

Residence 2

Residence 8/4

Agriculture Recreation Conservation

Light Industrial 1



Town of Acton

Acton Centre Historic District



1 inch = 125 feet

Study Area



Project Objectives

- Evaluate traffic safety and operational problems within Acton Center.
- Identify suitable and effective improvements, if any, while preserving the historic character of the area.
- Consider potential impacts on the nearby roads, intersections and neighborhoods.

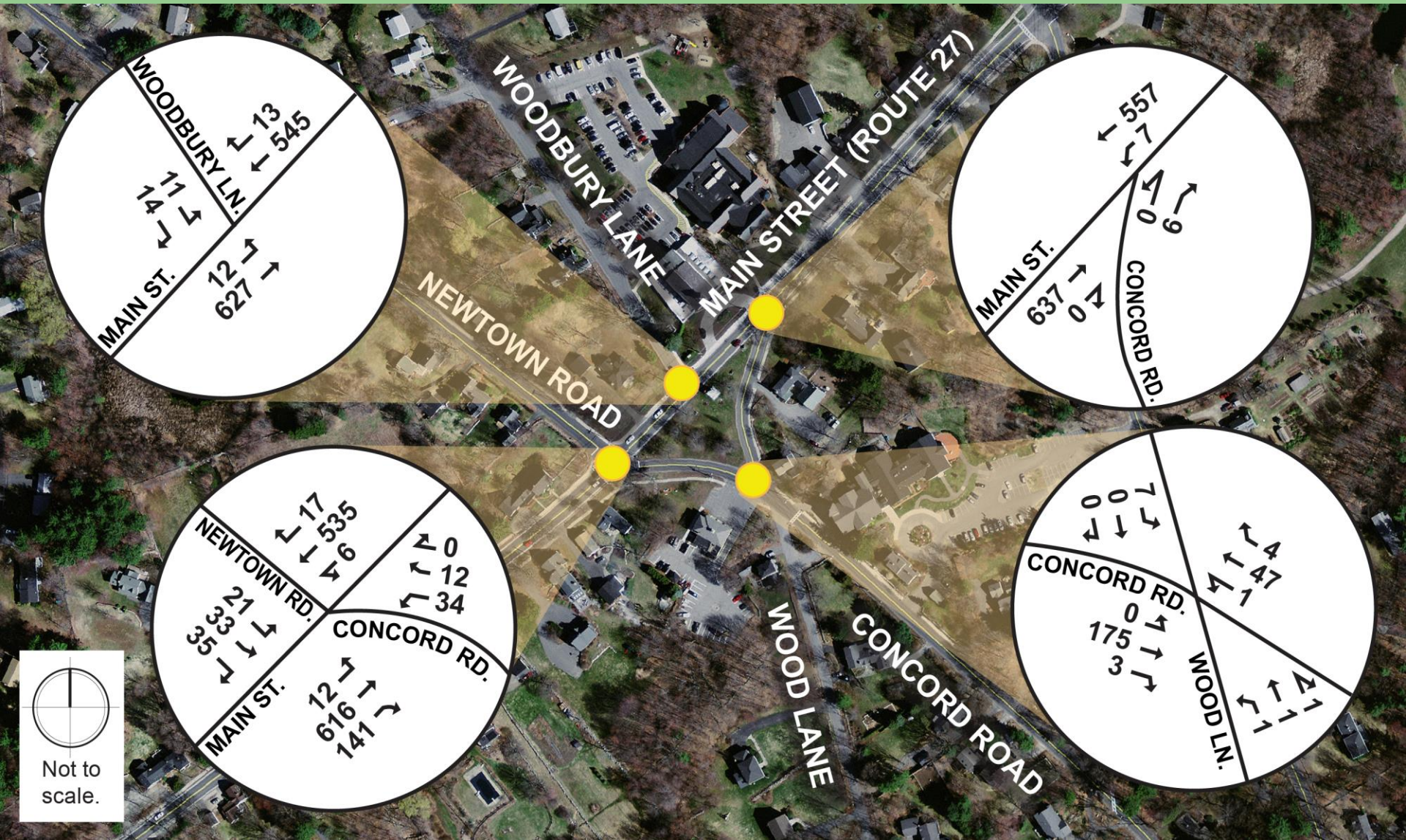


Background

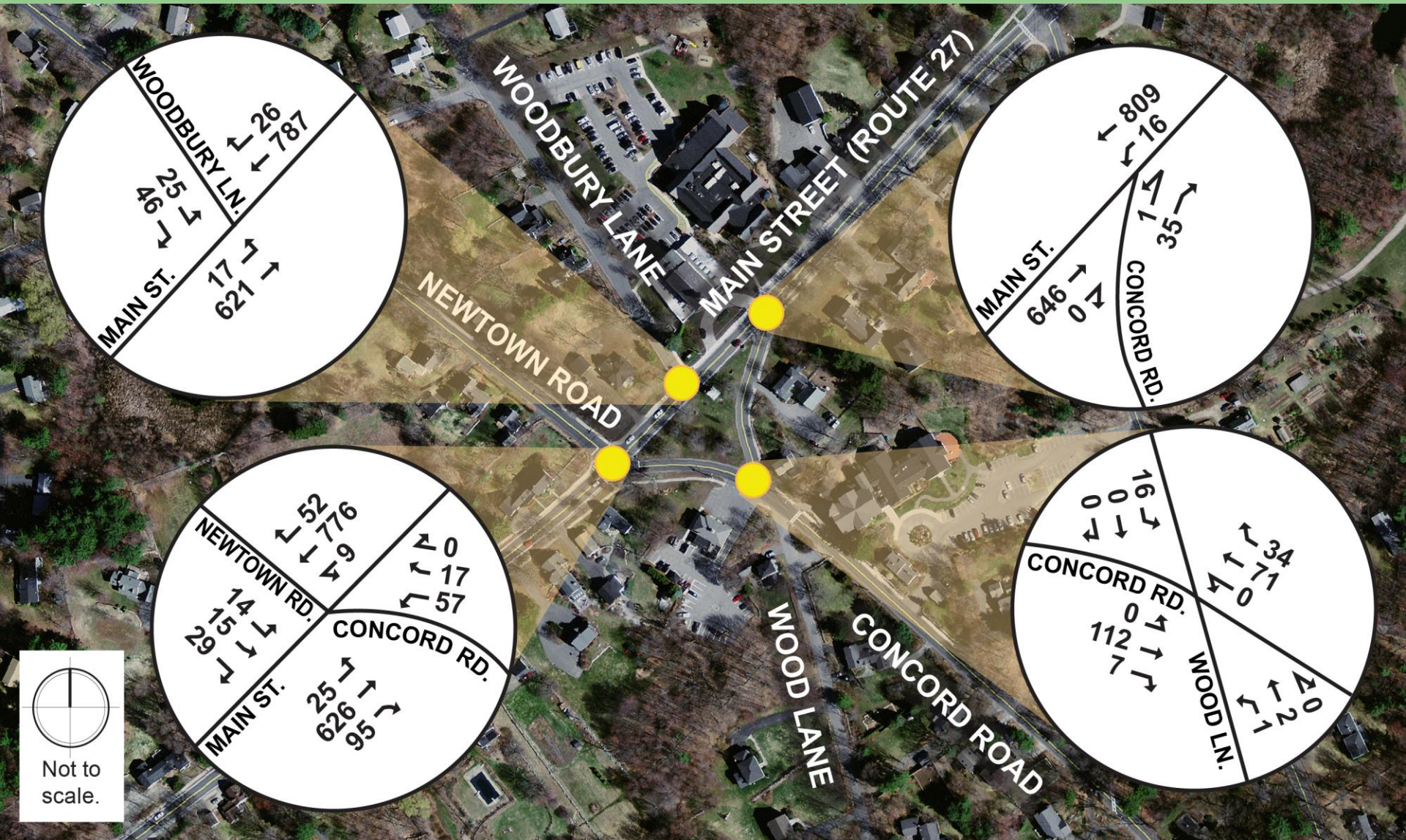
- Review prior studies
- Initial field observations November and January
- Meeting with Historic District Commission 1/13/2015
- Traffic data collection November 2014
 - Vehicle, pedestrian, and bicycle counts
 - Automated traffic recorder
 - Travel speed data
- Initial Public Forum on 1/29/2015



a.m. Peak Hour 7:45 a.m.-8:45 a.m.

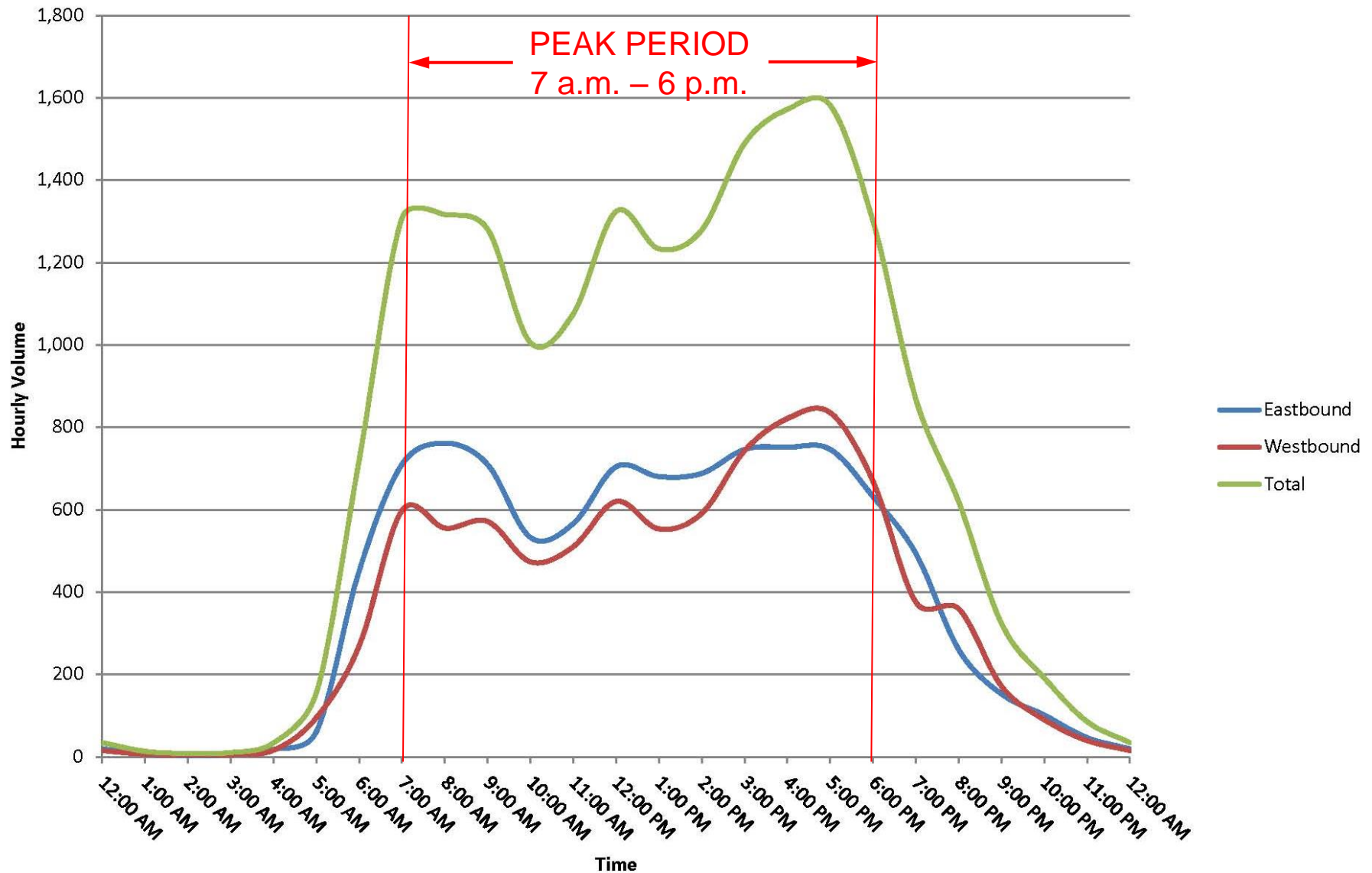


p.m. Peak Hour 5:00 p.m.-6:00 p.m.



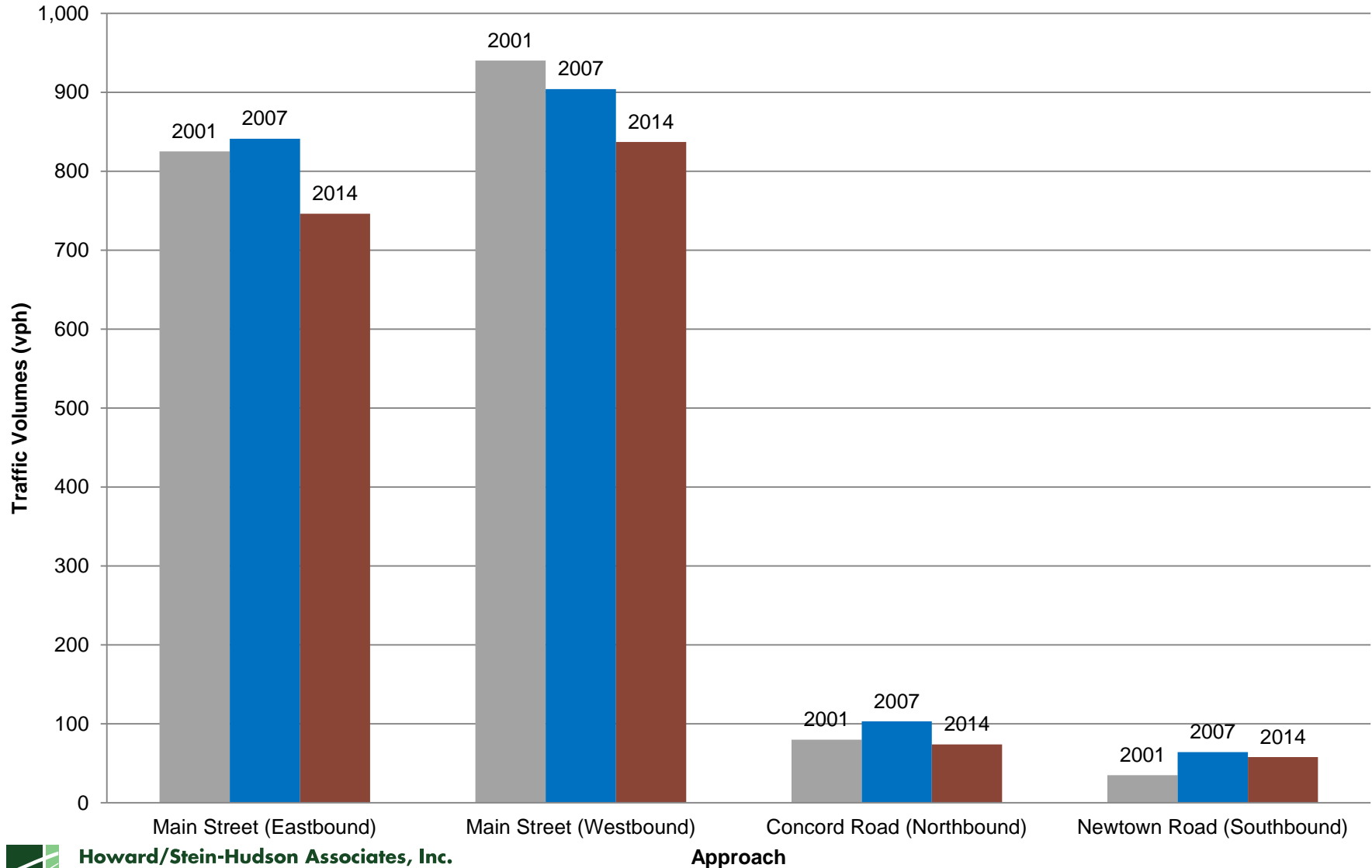
Traffic Volumes

Main Street West of Newtown Road



Traffic Volume Comparison

Main Street/Newtown Road/Concord Road



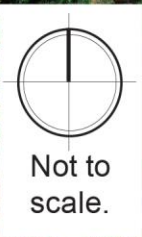
Speed Limits

85th Percentile Speed: 38 MPH

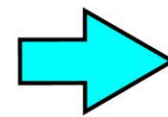
WOODBURY LANE
NEWTOWN ROAD

MAIN STREET (ROUTE 27)

WOOD LANE
CONCORD ROAD



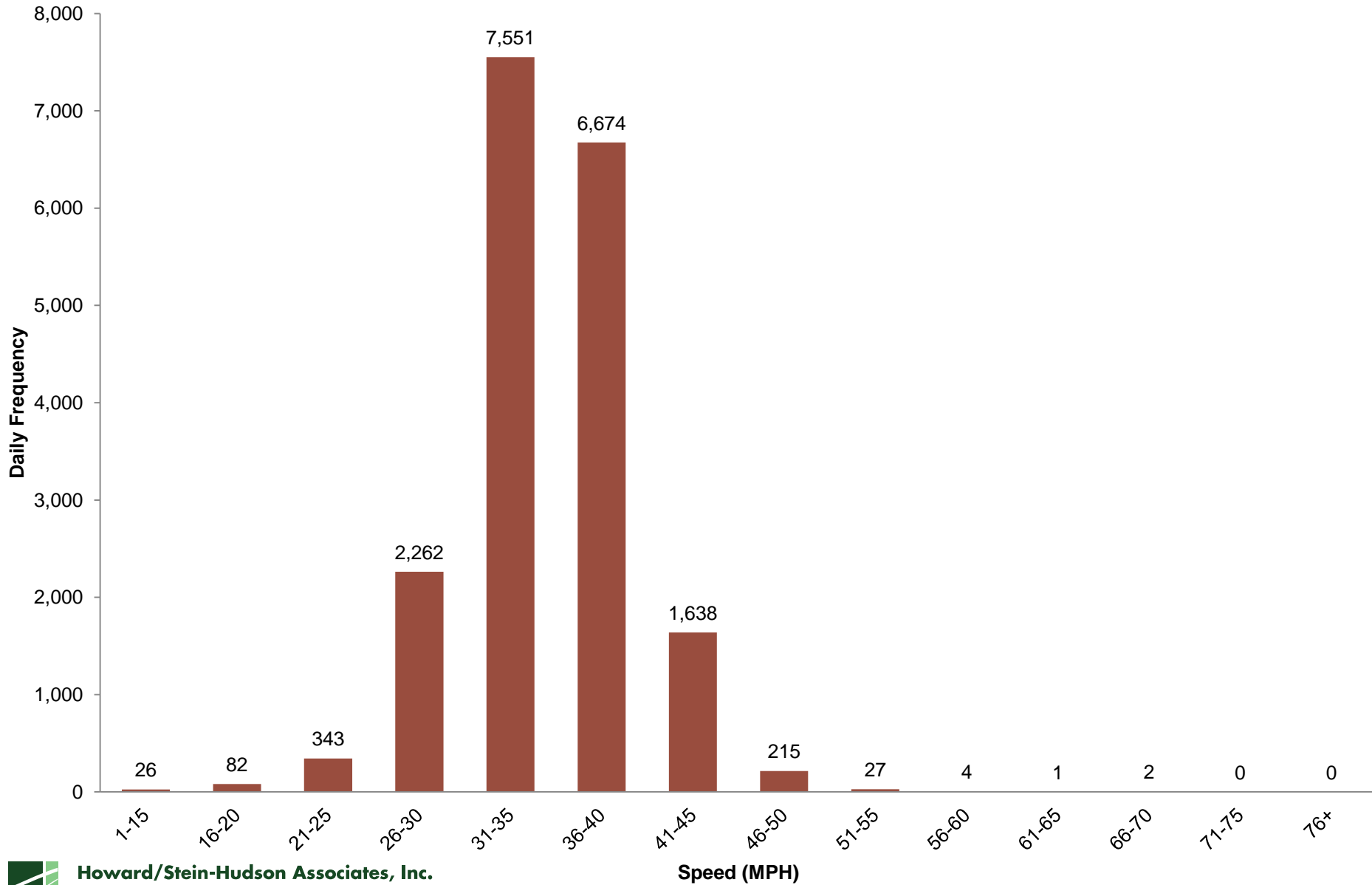
30 MPH Zone



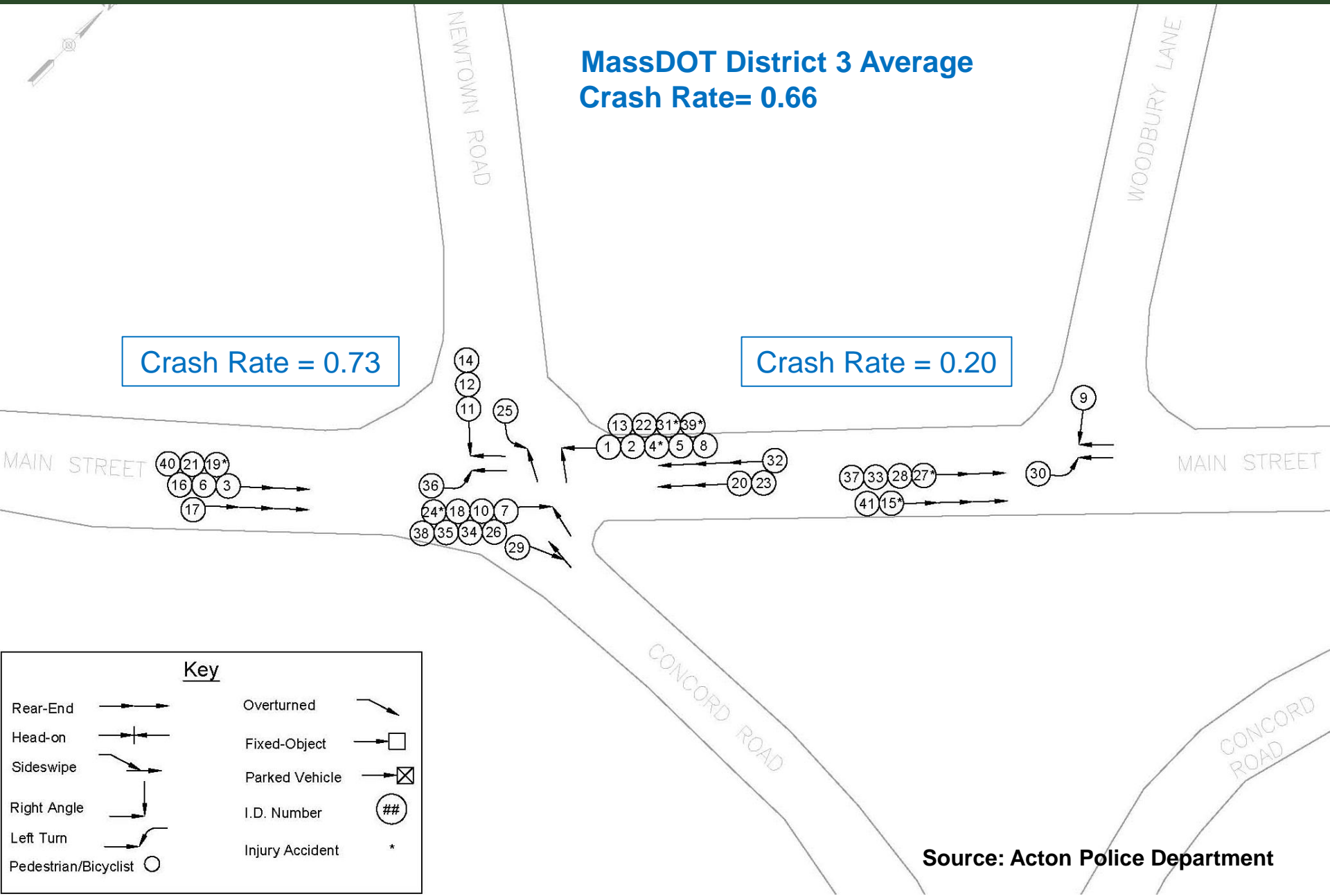
35 MPH Zone



Travel Speeds



Collision Diagram (2009 - 2014)



Observations

Main Street at Concord Rd./Newtown Rd.



Concord Road approach looking right



Observations

Main Street at Concord Rd./Newtown Rd.



Newtown Road approach looking left



Observations

Main Street at Concord Rd./Newtown Rd.



Newtown Road approach looking right



Observations

Main Street at Concord Rd./Newtown Rd.



Main Street approaching Town Center from west



Observations

Main Street at Concord Rd.



Concord Road approach looking left



Observations

Main Street at Concord Rd.



Textured Crosswalk



Community Comments

- Need to slow high traffic speeds
- Residents currently seek alternate routes
- Intersection sight lines and confusing geometry
- Unpredictable driver behavior
- Increase walkability
- Avoid installing a traffic light



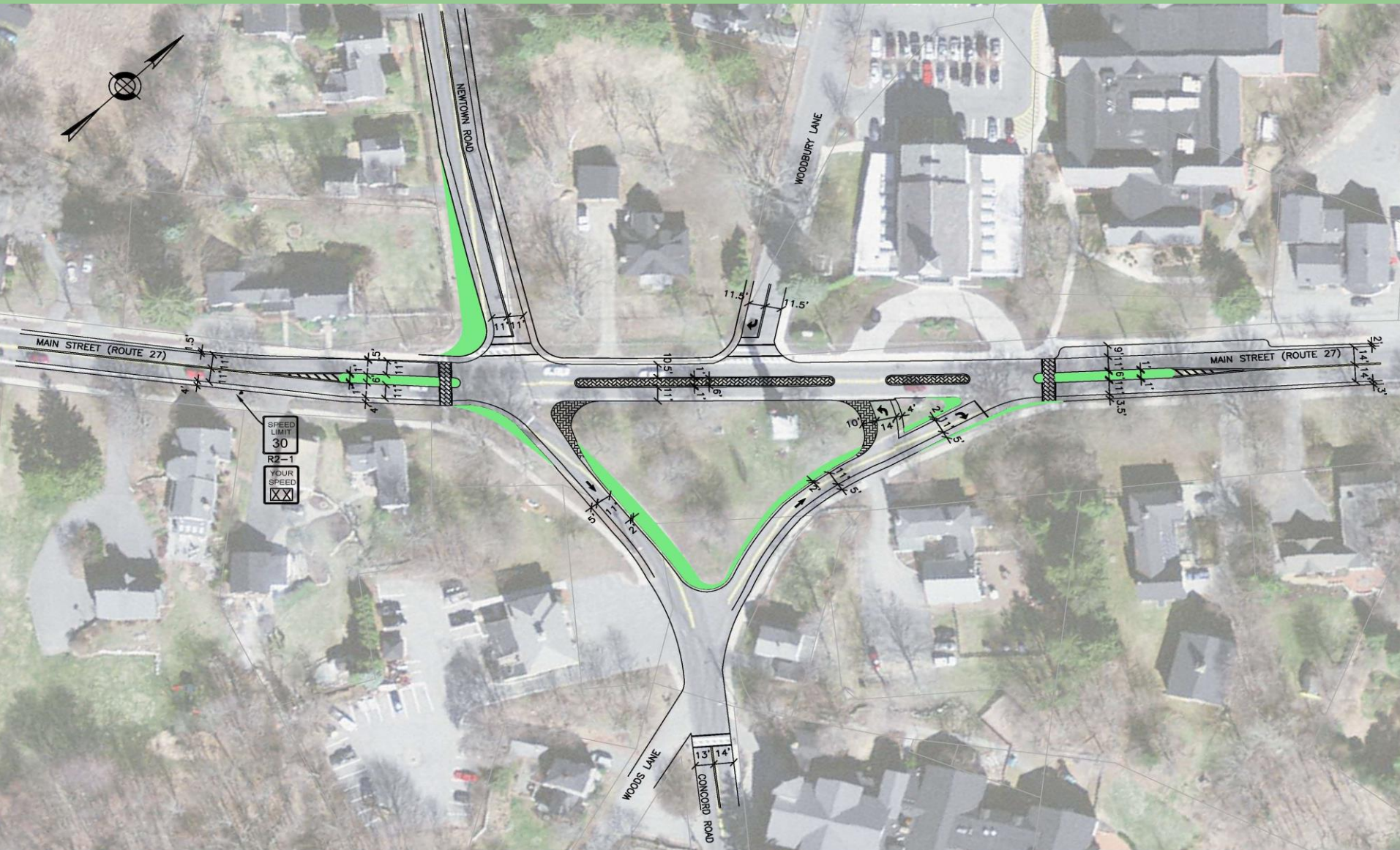
Existing Conditions



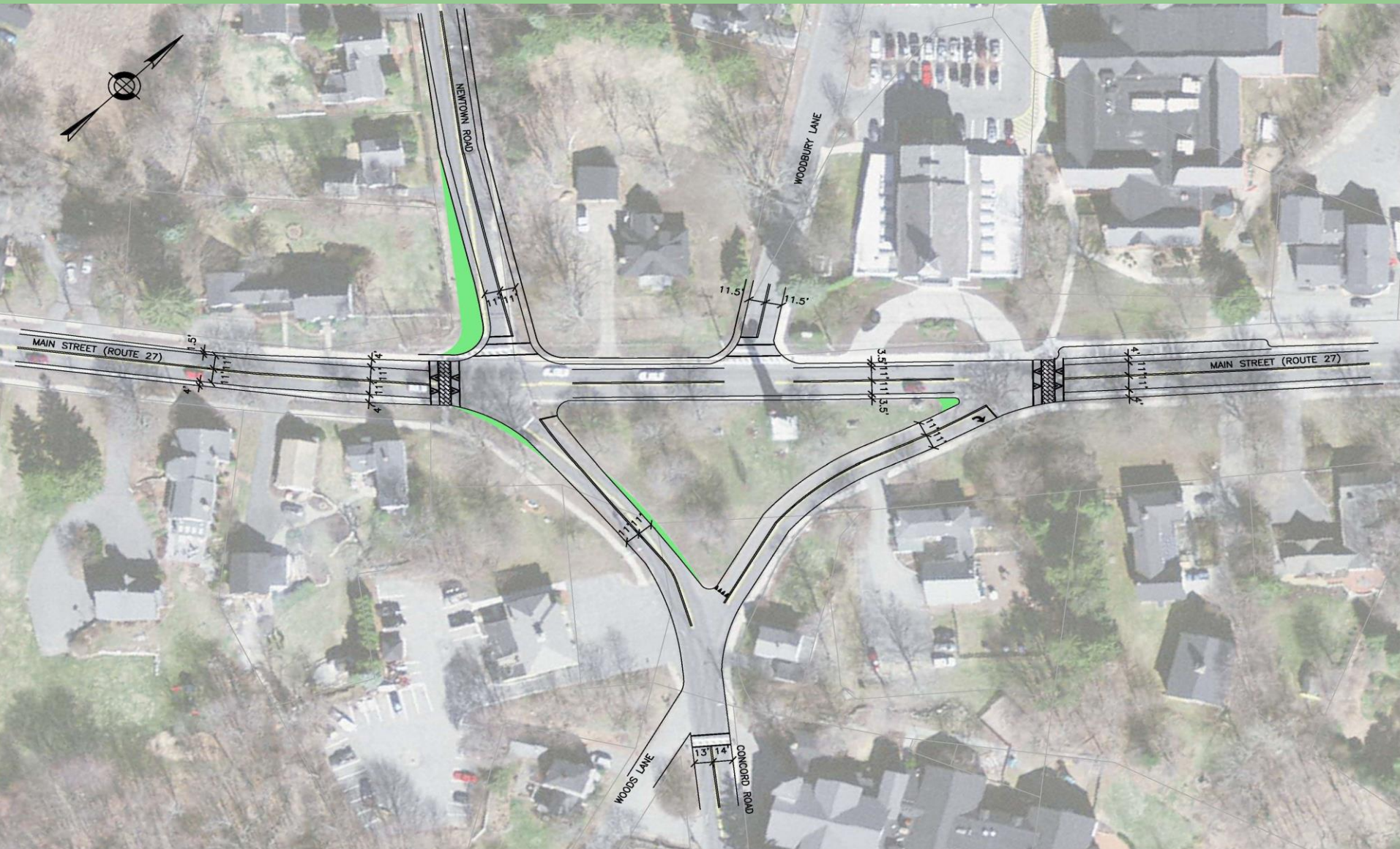
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Design Concept 1



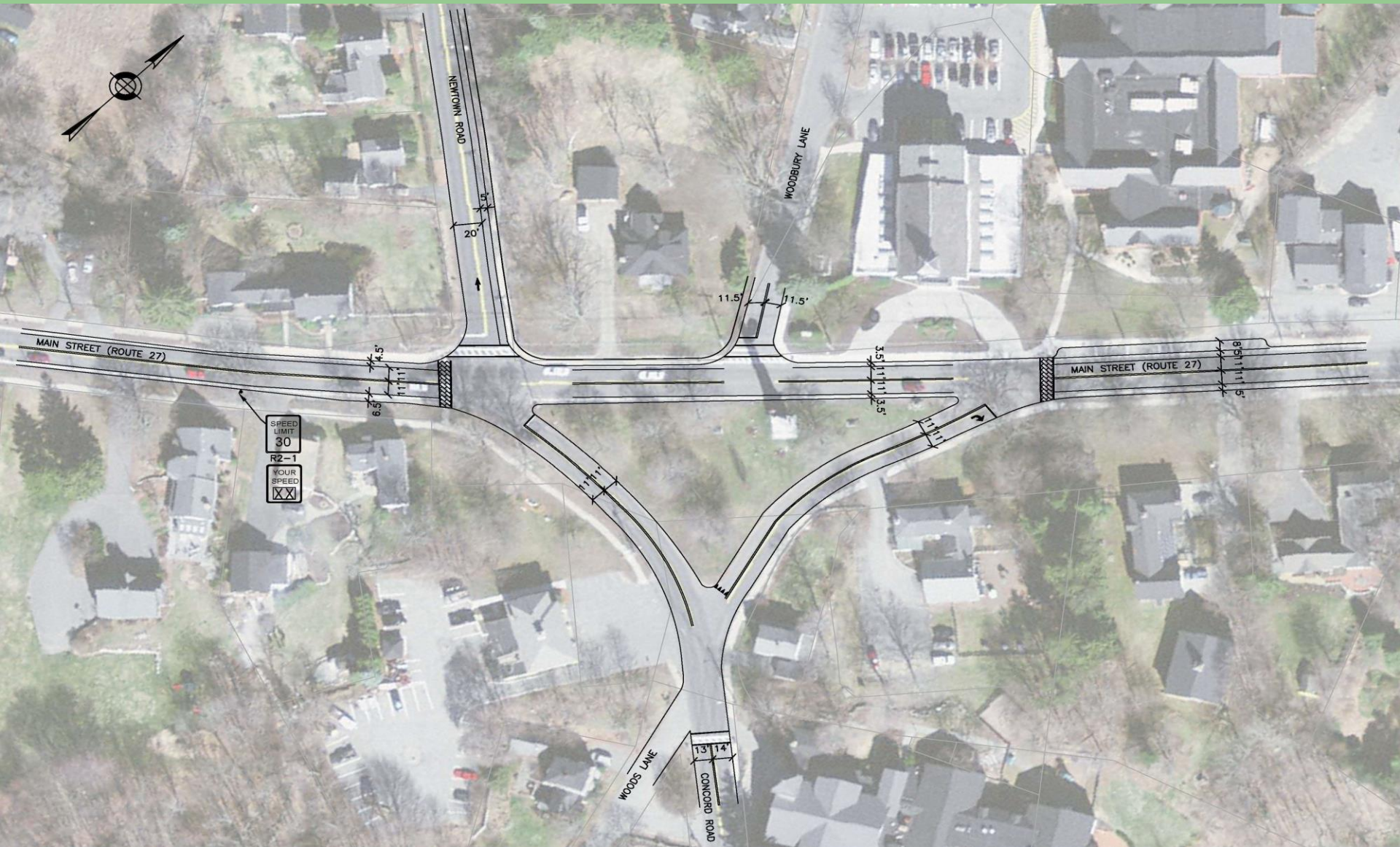
Design Concept 2



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Design Concept 3b

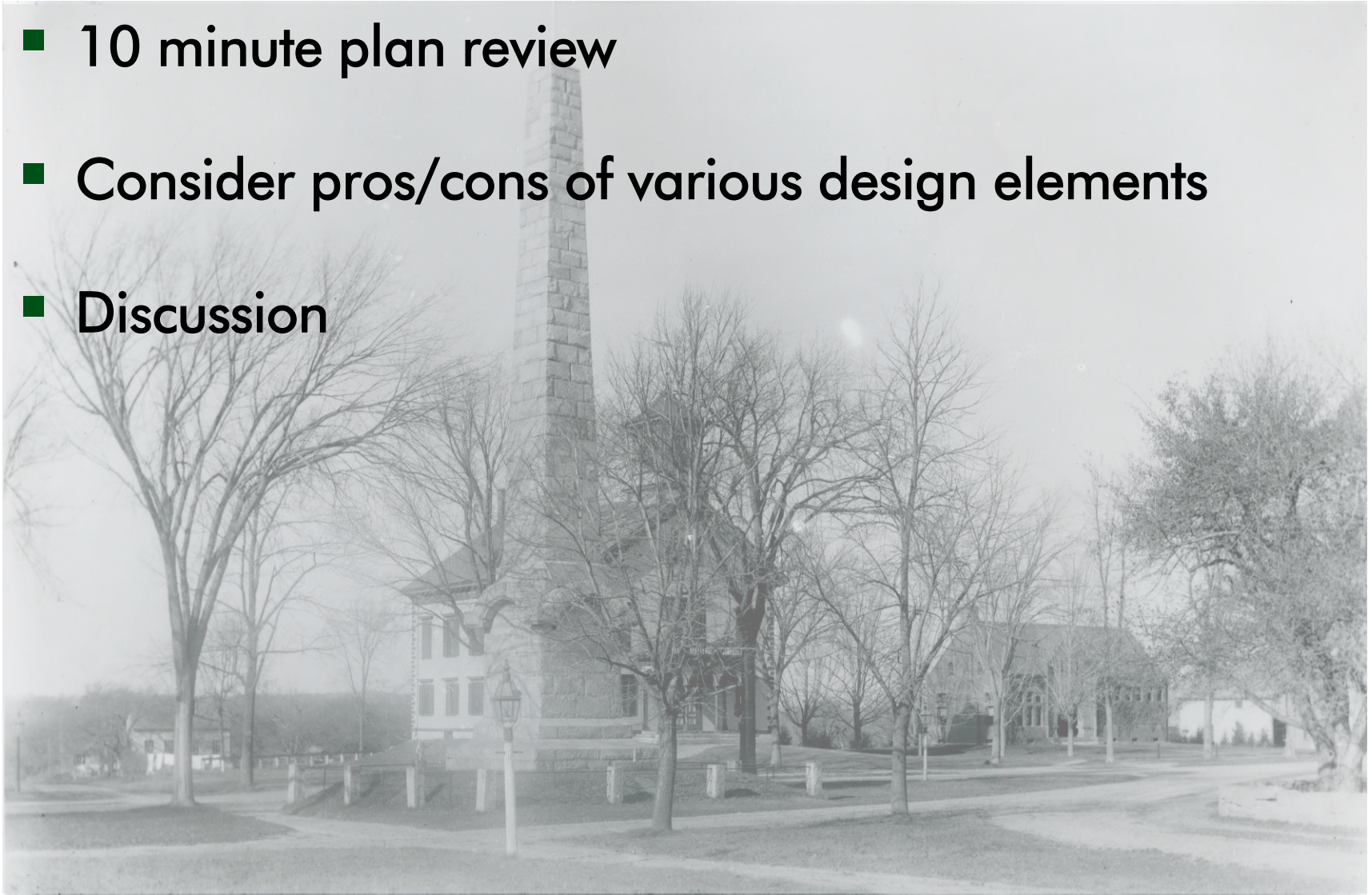


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Concept Plan Review

- 10 minute plan review
- Consider pros/cons of various design elements
- Discussion



Next Steps

- Review public comments
- Develop recommendations
- Technical memorandum to Town



Questions and Discussion

- **We want to hear from you:**
 - Email, telephone, mail
 - Join our stakeholder database to receive project updates.

- **Questions & Public Comment:**
 - Contact us
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